



Electrical Technology

A world without electricity is hard to imagine! Our training will provide the essential hands-on and safety skills that a student needs to pursue a rewarding career in the electrical construction industry. This two-year multi-faceted career program enables the student to learn the basics of electricity as well as residential and commercial wiring, data cabling and basic fiber optic installation. One-year seniors will be considered if space is available in the program.

- **Career Pathways:**
Program prepares students for entry level employment as electrician's helper, maintenance helper, or electrician upon completion of the Journeymen's certification. With further education and experience, students can find opportunities in occupations such as residential or commercial electrician, and electrical engineering.
- **Postsecondary/Advanced Placement:**
Students have continued their education at Bucks County Community College, EASTERN's Continuing Education Electrician Program, Montgomery County Community College, Pennsylvania College of Technology, Temple University, Thaddeus Stevens College of Technology and Williamson Trade School. Students may also qualify for advanced placement college credit at Pennsylvania College of Technology or want to consider an apprenticeship program after high school.
- **Industry Certifications:**
Students can earn their Occupational Safety and Health Administration 10 certification, Mobile Ladder Safety Articulated Ladder Safety, Single and Extension Ladder Safety, and Step Ladder Safety Training provided by the American Ladder Institute, and S/P2 – Construction, an online certification that teaches safety and career readiness skills.
- **Prerequisites:**
Students must have good color vision and the ability to climb moderate heights on a ladder.
- **Materials and fees:**
Approximately \$75

ELECTRICAL TECHNOLOGY

Career Pathways

START AT EASTERN

Technical Academic Education

DIPLOMA FROM PARTICIPATING HIGH SCHOOL

EASTERN CERTIFICATE OF COMPLETION

CAREER OBJECTIVES:

- Electrician's Helper
- Maintenance Helper
- Electrician

INDUSTRY CERTIFICATE

- Occupational Safety and Health Administration
- SP/2

ENTER THE WORKFORCE AS A PRE-APPRENTICE OR MAINTENANCE HELPER

Red Hawk

Orkin Electric Systems

J.F. Electric, Inc

CERTIFICATION/ APPRENTICESHIP

Specialized Technical Training/College Education

CERTIFICATE PROGRAMS THAT ALIGN:

- Thaddeus Stevens College of Technology
- Penn College of Technology

APPRENTICESHIP FOR JOURNEYMAN LICENSE/ELECTRICIAN:

- 8,000 work hours for apprenticeship over 4 - 5 years
- 576 classroom hours for apprenticeship over 4 years

ENTER THE WORKFORCE AS AN APPRENTICE WORKING TOWARDS JOURNEYMAN ELECTRICIAN CERTIFICATE

PECO

Reuter and Hanney, Inc.

TWO/FOUR YEAR OPTIONS

Advanced Degrees & What They Lead To

BACHELOR DEGREE PROGRAMS THAT ALIGN:

- Penn College of Technology
- Penn State University
- Drexel University

WITH EXPERIENCE & EDUCATION, THIS PATHWAY CAN LEAD TO JOBS SUCH AS:

- Specialized Systems Technician
- Electrical Engineer
- Teacher
- Project Manager

ENTER THE WORKFORCE AS A BUILDING AUTOMATION TECHNICIAN, ENGINEER, OR PROJECT MANAGER

CM3

Communication & Power Systems, Inc.